

Significant Figures Practice Worksheet

How many significant figures do the following numbers have?

- 1) 1234 _____
- 2) 0.023 _____
- 3) 890 _____
- 4) 91010 _____
- 5) 9010.0 _____
- 6) 1090.0010 _____
- 7) 0.00120 _____
- 8) 3.4×10^4 _____
- 9) 9.0×10^{-3} _____
- 10) 9.010×10^{-2} _____
- 11) 0.00030 _____
- 12) 1020010 _____
- 13) 780. _____
- 14) 1000 _____
- 15) 918.010 _____
- 16) 0.0001 _____
- 17) 0.00390 _____
- 18) 8120 _____
- 19) 7.991×10^{-10} _____
- 20) 72 _____

Significant Figure Calculations

Solve the following mathematical problems such that the answers have the correct number of significant figures:

- 1) 334.54 grams + 198 grams = _____
- 2) 34.1 grams / 1.1 mL = _____
- 3) 2.11×10^3 joules / 34 seconds = _____
- 4) 0.0010 meters – 0.11 m = _____
- 5) 349 cm + 1.10 cm + 100 cm = _____
- 6) 450 meters / 114 seconds = _____
- 7) 298.01 kilograms + 34.112 kilograms = _____
- 8) 84 m/s x 31.221 s = _____